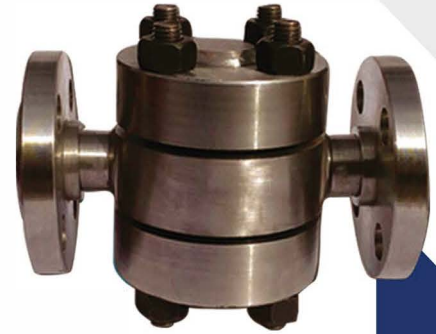


## Description

This is a maintainable high pressure thermodynamic steam trap. The 120 is specifically designed for relatively small condensate loads and therefore is ideal for mains drainage applications.

## Limiting Conditions

Maximum Body Design Conditions	PN 250
PMO - Maximum Operating Pressure	120 kgf/cm <sup>2</sup>
TMO - Maximum Operating Temperature	500 °C
PMOB – Maximum Operating Back Pressure - not exceed	50% of Inlet Pressure
Minimum Operating Differential Pressure for Satisfactory Operation	10 kgf/cm <sup>2</sup>
PMA - Maximum Allowable Pressure	250 kgf/cm <sup>2</sup>
TMA - Maximum Allowable Temperature	550 °C
Cold Hydraulic Test Pressure	375 kgf/cm <sup>2</sup>



## Operating Range

$\Delta$ PMX – Maximum differential pressure 120 kgf/cm<sup>2</sup>

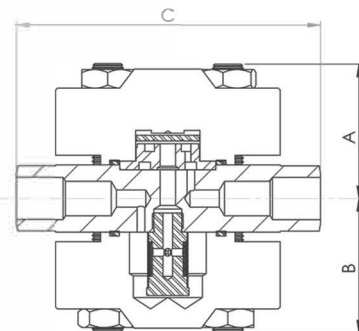
## Sizes and Pipe Connections

½", ¾" and 1" Socket Weld (ANSI B16.11) - Butt Weld (ANSI B16.25)  
Flanged (ANSI B16.5)

## Dimensions / Weights (Approximate) mm and kg

Size	A	B	C	F-F	Weight
½"	70	70	160	210	17
¾"	70	70	160	210	17.5
1"	70	70	160	210	18

Constructions are a bit different according the sizes.





E.S.E. Valve Co. Ltd.

021 66479486

0912 8448763

فروش

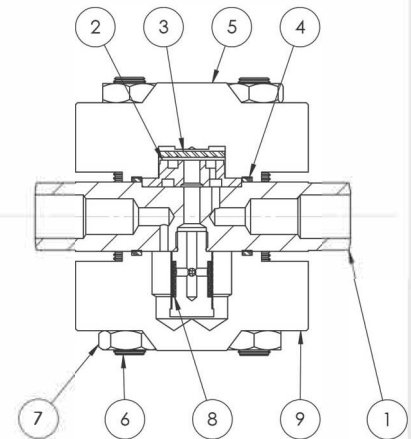
E.S.E. Valve Co.

## High Pressure Thermodynamic Steam Traps - 120

### Materials

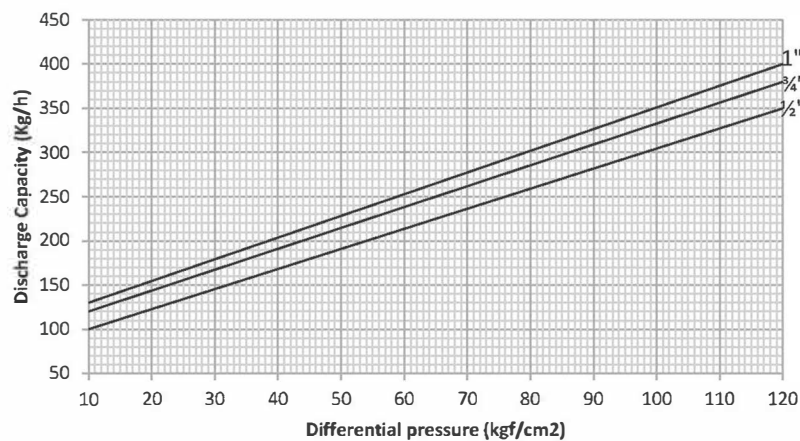
No.	Part	Material
1	Body	ASTM A182 F22
2	Seat *	BS 4659 BD2
3	Disc *	BS 4659 BD2
4	Cover Gasket *	Reinforced Exfoliated Graphite
5	Top Cover	ASTM A182 F22
6	Cover Stud	ASTM A193 B7
7	Cover Nut	ASTM A193 2H
8	Strainer Screen Assembly *	AISI 304/316
9	Bottom Cover	ASTM A182 F22

Note: (\*) Spare Part



### Capacities

Maximum continual discharge amount (kg/h)



### Installation

The trap should preferably be installed in the horizontal plane, with a small drop leg preceding it. Where the trap discharges into a closed return system, a non-return valve should be fitted downstream to prevent return flow. Ensure all connection ports are clear from obstruction. Always open isolation valves slowly until normal operating conditions are achieved. This will avoid system shocks. Check for leaks and correct operation. Always ensure the correct tools, safety procedures and protective equipment are used at all times.

### How to Order

Example: TD120 – 3/4", Thermodynamic Steam Trap Butt Weld.

Design and specification are subject to change without notice